

GenCore version 4.5  
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On protein - protein search, using sw model.

Run on: August 28, 2002, 17:31:43 ; Search time 30.03 Seconds

(without alignments)  
202.530 Million cell updates/sec

Title: US-09-502-984B-37

Perfect score: 1284  
Sequence: 1 KFESKALLAARGPPEELLCF . . . . . RKNERLEEEVERLQLVGER 249

Scoring table: BLOSUM62  
Gapop 10.0 , Gapext 0.5

Searched: 231628 seqs, 24425594 residues

Total number of hits satisfying chosen parameters: 231628

Minimum DB seq length: 0  
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%  
Listing first 45 summaries

Database : Issued\_Patents\_AA:\*

1: /cgn2\_6/podata/2/1aa/5A\_COMB\_pep:\*

2: /cgn2\_6/podata/2/1aa/5B\_COMB\_pep:\*

3: /cgn2\_6/podata/2/1aa/6A\_COMB\_pep:\*

4: /cgn2\_6/podata/2/1aa/6B\_COMB\_pep:\*

5: /cgn2\_6/podata/2/1aa/PCROS\_COMB\_pep:\*

6: /cgn2\_6/podata/2/1aa/backfiles1.pep:\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

#### SUMMARIES

Result No.	Score	Query Match	Length	DB	ID	Description
1	1060	82.6	488	4	US-08-776-511-2	Sequence 2, Appli
2	1053	82.0	508	2	US-08-850-233-5	Sequence 5, Appli
3	190.5	14.8	185	1	US-07-676-647-10	Sequence 10, Appli
4	190.5	14.8	185	1	US-08-449-329-10	Sequence 10, Appli
5	190.5	14.8	185	2	US-08-585-558-10	Sequence 10, Appli
6	190.5	14.8	185	4	US-09-211-500-10	Sequence 10, Appli
7	190.5	14.8	185	5	PCT-US1-0896-10	Sequence 10, Appli
8	190.5	14.8	185	5	US-08-184-327A-8	Sequence 8, Appli
9	167	13.0	482	1	PCT-US9-0670-8	Sequence 8, Appli
10	167	13.0	482	5	US-08-250-839-17	Sequence 17, Appli
11	166	12.9	633	1	US-08-490-803-17	Sequence 17, Appli
12	166	12.9	633	1	US-08-457-257-7	Sequence 17, Appli
13	166	12.9	633	5	PCT-US4-0896-17	Sequence 17, Appli
14	166	12.9	633	5	PCT-US5-01775-17	Sequence 17, Appli
15	166	12.9	633	5	PCT-US95-1626-7	Sequence 17, Appli
16	166	12.9	633	1	US-08-184-327A-2	Sequence 2, Appli
17	164	12.8	626	5	PCT-US5-00670-2	Sequence 2, Appli
18	164	12.8	626	2	US-08-285-864A-7	Sequence 2, Appli
19	160	12.5	30	4	US-09-092-231-7	Sequence 7, Appli
20	160	12.5	30	4	US-08-092-231-7	Sequence 7, Appli
21	146	11.4	448	2	US-08-078-311-12	Sequence 12, Appli
22	146	11.4	448	2	US-08-460-402-12	Sequence 12, Appli
23	146	11.4	493	2	US-08-078-311-7	Sequence 7, Appli
24	146	11.4	493	2	US-08-460-402-7	Sequence 7, Appli
25	146	11.4	635	1	US-08-184-327A-4	Sequence 4, Appli
26	146	11.4	635	2	US-08-078-311-1	Sequence 1, Appli
27	11.4	635	2	US-08-460-402-1	Sequence 1, Appli	

Query Match 82.6%; Score 1060; DB 4; Length 488;  
Best Local Similarity 93.8%; Pred. No. 1.7e-100;  
Matches 198; Conservative 11; Mismatches 2; Indels 0; Gaps 0;

Qy 1 KFESKALLAARGPPEELLCFTERLEDVCFEEAASAGVGPNGNSFSFQLEDEPNKLRL 60  
Db 34 KFESKALLAARGPPEELLCFTERLEDVCFEEAASAGVGPNGNSFSFQLEDEPNKLRL 60

QY 61 HOA PTARGAIRFWCSLPTADPSSVYPLERLRTAASGA PRFHRYI HINEVLLDAPVGLVA 120  
 ||| ||| |||:||| ||| ||| ||| ||| |||:||| ||| ||| ||| |||:||| ||| ||| ||| |||  
 94 HQAPTARGAVREWCSLPTADPSSVYPLERLRTAASGA PRFHRYI HINEVLLDAPVGLVA 153

QY 121 RLADEGHVWIRWLPLPPETPMTHFELDISAGNGAGSVORVELLEGRCVLSNLGR 180  
 ||| ||| |||:||| ||| ||| ||| ||| |||:||| ||| ||| ||| |||:||| ||| ||| |||  
 Db 154 RLADEGHVWIRWLPLPPETPMTHFELDISAGNGAGSVORVELLEGRCVLSNLGR 213

QY 181 TRITI AVRMAEPSPGGFWSAWSEVSLIT 211  
 ||| ||| |||:||| ||| ||| ||| |||:||| ||| ||| ||| |||  
 Db 214 TRYTFAVLRAEAPSFGGFWSAWSEVSLIT 244

RESULT 2  
 US-08-850-293-5  
 ; Sequence 5, Application US/08850293  
 ; Patent No. 5843726

GENERAL INFORMATION:  
 APPLICANT: Lee, Jong Y.  
 TITLE OF INVENTION: PURIFIED HUMAN ERYTHROPOETIN RECEPTOR  
 TITLE OF INVENTION: PROTEIN FRAGMENT AND ANTIBODIES DERIVED THEREFROM  
 NUMBER OF SEQUENCES: 5  
 CORRESPONDENCE ADDRESS:  
 ADDRESSEE: Fish & Richardson P.C., P.A.  
 STREET: 60 South Sixth Street, Suite 3300  
 CITY: Minneapolis  
 STATE: MN  
 COUNTRY: USA  
 ZIP: 55402

COMPUTER READABLE FORM:  
 COMPUTER: IBM compatible  
 COMPUTER SYSTEM: DOS  
 OPERATING SYSTEM: FasteQ for Windows Version 2.0

CURRENT APPLICATION DATA:  
 APPLICATION NUMBER: 08/08850,293  
 FILING DATE: 05-MAY-1997  
 CLASSIFICATION: 435

PRIOR APPLICATION DATA:  
 APPLICATION NUMBER: 08/499,643  
 FILING DATE: 07-JUL-1995

PRIOR APPLICATION DATA:  
 APPLICATION NUMBER: 08/106,815  
 FILING DATE: 16-AUG-1993

ATTORNEY/AGENT INFORMATION:  
 NAME: Ellinger, Mark S.  
 REGISTRATION NUMBER: 34,812  
 REFERENCE/DOCKET NUMBER: 007004/002001

TELECOMMUNICATION INFORMATION:  
 TELEPHONE: 612/335-5070  
 TELEFAX: 612/288-9696  
 INFORMATION FOR SEQ ID NO: 5:  
 SEQUENCE CHARACTERISTICS:  
 LENGTH: 508 amino acids  
 TYPE: amino acid  
 TOPOLOGY: linear  
 MOLECULE TYPE: protein  
 US-08-850-293-5

Query Match 82.0%; Score 1053; DB 2; Length 508;  
 Best Local Similarity 93.4%; Pred. No. 9 2e-100; Matches 197; Conservative 11; Mismatches 3; Indels 0; Gaps 0;

QY 1 KFESKAALLARGPPEELCFTERLEDIVCFEEAASAGVGPGNFSFSFOLEDEPKLRL 60  
 ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||  
 34 KFESKAALLARGPPEELCFTERLEDIVCFEEAASAGVGPGNFSFSFOLEDEPKLRL 93

QY 61 HOA PTARGAIRFWCSLPTADPSSVYPLERLRTAASGA PRFHRYI HINEVLLDAPVGLVA 120  
 ||| ||| |||:||| ||| ||| ||| ||| |||:||| ||| ||| ||| |||  
 Db 94 HQAPTARGAVREWCSLPTADPSSVYPLERLRTAASGA PRFHRYI HINEVLLDAPVGLVA 153

RESULT 3  
 US-07-676-647-10  
 ; Sequence 10, Application US/07676647  
 ; Patent No. 5426177

GENERAL INFORMATION:  
 APPLICANT: Davis, Samuel  
 APPLICANT: Squinto, Stephen P.  
 APPLICANT: Furth, Mark E.  
 APPLICANT: Yancopoulos, George D.  
 TITLE OF INVENTION: The Ciliary Neurotrophic Factor Receptor  
 NUMBER OF SEQUENCES: 15  
 CORRESPONDENCE ADDRESS:  
 ADDRESSEE: Pennie & Edmonds  
 STREET: 115 Avenue of the Americas  
 CITY: New York  
 STATE: New York  
 COUNTRY: U.S.A.  
 ZIP: 10036

COMPUTER READABLE FORM:  
 COMPUTER: IBM PC compatible  
 COMPUTER SYSTEM: PC-DOS/MS-DOS  
 OPERATING SYSTEM: DOS  
 CURRENT APPLICATION DATA:  
 APPLICATION NUMBER: US/07/676,647  
 FILING DATE: 1990328  
 CLASSIFICATION: 514

ATTORNEY/AGENT INFORMATION:  
 NAME: Misrock, S. Leslie  
 REGISTRATION NUMBER: 18,872  
 REFERENCE/DOCKET NUMBER: 6526-048

TELECOMMUNICATION INFORMATION:  
 TELEPHONE: 212 790-9090  
 TELEFAX: 212 8698864/9741  
 TELEX: 66141 PENNIE

INFORMATION FOR SEQ ID NO: 10:  
 SEQUENCE CHARACTERISTICS:  
 LENGTH: 185 amino acids  
 TYPE: AMINO ACID  
 STRANDEDNESS: single  
 TOPOLOGY: linear  
 MOLECULE TYPE: peptide  
 US-07-676-647-10

Query Match 14.8%; Score 190.5; DB 1; Length 185;  
 Best Local Similarity 28.5%; Pred. No. 6.2e-12; Matches 53; Conservative 5; Mismatches 127; Indels 1; Gaps 1;

QY 19 CFTQRELDLVCWXXXXXX - XXXXXXXXXXXXXXXXXXXXXXXXXX 59  
 ||| ||| ||| |||:  
 Db 1 CFTQRELDLVCWXXXXXX - XXXXXXXXXXXXXXXXXXXXXXXXXX 59

QY 79 ADTSFVPLERLRTAASGA PRFHRYI HINEVLLDAPVGLVA 138  
 ||| ||| ||| |||:  
 Db 60 XXXXXXXXXXXXXXXXXXXXXXXXXXHINEVLLDAPGLLARRABEGSHVLRNXXXX 119

QY 139 TPMTSHFELDISAGNGAGSVORVELLEGRCVLSNLGR RTI AVRMAEPSPGGF 198  
 ||| ||| |||:  
 Db 120 XXXXXXXXXXXXXXXXXXXXXXXXXXHINEVLLDAPGLLARRABEGSHVLRNXXXX 179

QY 199 FWSAWS 204  
 ||| |||:  
 Db 180 FWSAWS 185



APPLICANT: Squinto, Stephen P.  
 APPLICANT: Furth, Mark E.  
 APPLICANT: Yancopoulos, George D.  
 TITLE OF INVENTION: The Ciliary Neurotrophic Factor Receptor  
 NUMBER OF SEQUENCES: 15  
 CORRESPONDENCE ADDRESS:  
 ADDRESSEE: Pennie & Edmonds  
 STREET: 1155 Avenue of the Americas  
 CITY: New York  
 STATE: New York  
 COUNTRY: U.S.A.  
 ZIP: 10036

COMPUTER READABLE FORM:  
 MEDIUM TYPE: FLOPPY disk  
 COMPUTER: IBM PC compatible  
 OPERATING SYSTEM: PC-DOS/MS-DOS  
 SOFTWARE: PatentIn Release #1.0, version #1.25

CURRENT APPLICATION DATA:  
 APPLICATION NUMBER: US/08/585, 258  
 FILING DATE: 11-JAN-1996  
 CLASSIFICATION: 530  
 PRIORITY APPLICATION DATA:  
 APPLICATION NUMBER: US/08/001, 904  
 FILING DATE:  
 APPLICATION NUMBER: US/07//00, 677  
 ATTORNEY / AGENT INFORMATION:  
 NAME: Mistrok, S. Leslie  
 REFERENCE/DOCKET NUMBER: 18, 872  
 TELECOMMUNICATION INFORMATION:  
 TELEPHONE: 212 790-9090  
 TELEX: 66141 PENNIE  
 INFORMATION FOR SEQ ID NO: 10:  
 SEQUENCE CHARACTERISTICS:  
 LENGTH: 185 amino acids  
 TYPE: amino acid  
 STRANDEDNESS: single  
 TOPOLOGY: linear  
 MOLECULE TYPE: peptide  
 US-08-585-258-10

Query Match 14.8%; Score 190.5; DB 2; Length 185;  
 Best Local Similarity 28.5%; Pred. No. 6.2e-12; Indels 1; Gaps 1;  
 Matches 53; Conservative

QY 19 CFTERLEDLWVFEERASAGVPGNFSFSFQLEDEFWKLCLHQAPTARGAIRFWCSLPT 78  
 |||||:|||||:|:  
 Db 1 CFTQRLEDLWVFEWXXXXXX-XXXXXXXXXXXXXXXXXXXXXXXXXXXXXX 59

QY 79 ADTSSEFVPLERLTAASGAPRFHRVHINEVYLDAVGLVARRADESGHVTIRWLPPPE 138  
 |||||:|||||:||:|||:  
 Db 60 XXXXXXXXXXXXXXXXXXXXXXXXXHINEVYLDAVGLVARRADESGHVTIRWLXXXX 119

QY 139 TPMTSHIRFELDISAGNGAGSVORVELLEGTECVLSNLQRTRTTAVRARMAESFGG 198  
 |||||:|||||:  
 Db 120 XXXXXXXXXXXXXXXXXXXXXXXXXHINEVYLDAVGLVARRADESGHVTIRWLXXXX 179

QY 199 FWSAWS 204  
 |||||:  
 Db 180 FWSAWS 185

RESULT 8  
 PCT-US1-03896-10  
 ; Sequence 10, Application PC/US103896  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Davis, Samuel  
 ; APPLICANT: Squinto, Stephen P.  
 ; APPLICANT: Furth, Mark E.  
 ; APPLICANT: Yancopoulos, George D.  
 ; TITLE OF INVENTION: The Ciliary Neurotrophic Factor Receptor  
 ; NUMBER OF SEQUENCES: 15  
 ; CORRESPONDENCE ADDRESS:  
 ; ADDRESSEE: Pennie & Edmonds

RESULT 7  
 US-09-211-590-10  
 ; Sequence 10, Application US/09211590  
 ; Patent No. 6316206  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Davis, Samuel  
 ; APPLICANT: Squinto, Stephen P.  
 ; APPLICANT: Furth, Mark E.



SEQUENCE CHARACTERISTICS:  
 LENGTH: 482 amino acids  
 TYPE: amino acid  
 TOPOLOGY: linear  
 MOLECULE TYPE: protein  
 PCT-US95-00870-8

Query Match 13.0%; Score 167; DB 5; Length 482;  
 Best Local Similarity 23.8%; Pred. No. 6e-09;  
 Matches 62; Conservative 33; Mismatches 105; Indels 60; Gaps 8;

QY 4 SKAALLAARGPPEELLCTERLEDLVCFFEEASAGVGGPNFSFSFOLEDEPWKLCLRLHQAA 63  
 Db 4 SKAALLAARGPPEELLCTERLEDLVCFFEEASAGVGGPNFSFSFOLEDEPWKLCLRLHQAA 63  
 QY 18 SQDVFLLAGTLEPLNGCPSQTEPDLTCEWDEEAA--PSGTWQQLYAVRGKPRACPLYSQ 75  
 Db 18 SQDVFLLAGTLEPLNGCPSQTEPDLTCEWDEEAA--PSGTWQQLYAVRGKPRACPLYSQ 75  
 QY 64 PTARGAIRFWCSLPTAD-TSSEPVPLERLTAAAS-GAPFRHVIHNEVVLDAAPGVLR 121  
 Db 64 PTARGAIRFWCSLPTAD-TSSEPVPLERLTAAAS-GAPFRHVIHNEVVLDAAPGVLR 121  
 QY 76 SVPTFGTRYVQCPADEVRLFFPLHILWKVNLSNQTLIQRVLFVDSVGLAPPRVIKAR 135  
 Db 76 SVPTFGTRYVQCPADEVRLFFPLHILWKVNLSNQTLIQRVLFVDSVGLAPPRVIKAR 135  
 QY 122 LADESGHIVIRW-LPPETPMTHIRELDI---SAGNGAGSVQRVELLEGRT---- 170  
 Db 122 LADESGHIVIRW-LPPETPMTHIRELDI---SAGNGAGSVQRVELLEGRT---- 170  
 QY 136 GGSQPGLQIHWEEAPE--ISDFLRHLYRGPTDSSNATAPSV--IQLISTETCCPTLW 191  
 Db 136 GGSQPGLQIHWEEAPE--ISDFLRHLYRGPTDSSNATAPSV--IQLISTETCCPTLW 191  
 QY 171 -----ECVLSNLRGTRTRITAVRA 189  
 Db 171 -----ECVLSNLRGTRTRITAVRA 189  
 QY 192 MPNPVPLDQPCVHPTASQPHGPVRTSPAGEAPFLTVKGGSCLVSGLQAKSYWLQLRS 251  
 Db 192 MPNPVPLDQPCVHPTASQPHGPVRTSPAGEAPFLTVKGGSCLVSGLQAKSYWLQLRS 251  
 QY 190 RMAEPSFGFNSAWSEVSL 209  
 Db 190 RMAEPSFGFNSAWSEVSL 209  
 QY 252 QPDGVSLRGSGMCPWSEFPTV 271  
 Db 252 QPDGVSLRGSGMCPWSEFPTV 271

RESULT 11  
 US-08-250-559-17  
 Sequence 17, Application US/08250859  
 ; Patent No. 5541085

GENERAL INFORMATION:  
 APPLICANT: Holly, Richard D.  
 APPLICANT: Burkhead, Steven K.  
 TITLE OF INVENTION: METHOD FOR PREPARING ORPHAN RECEPTOR LIGANDS  
 NUMBER OF SEQUENCES: 17  
 CORRESPONDENCE ADDRESS:  
 ADDRESSEE: ZymoGenetics, Inc.  
 STREET: 4225 Roosevelt Way, N.E.  
 CITY: Seattle  
 STATE: WA  
 COUNTRY: USA  
 ZIP: 98105  
 COMPUTER READABLE FORM:  
 MEDIUM TYPE: Floppy disk  
 COMPUTER: IBM PC compatible  
 OPERATING SYSTEM: PC-DOS/MS-DOS  
 SOFTWARE: Patentin Release #1.0, version #1.25

CURRENT APPLICATION DATA:  
 APPLICATION NUMBER: US/08/250,859  
 FILING DATE: 1994-08-25  
 CLASSIFICATION: 435  
 ATTORNEY/AGENT INFORMATION:  
 NAME: Parker, Gary E  
 REGISTRATION NUMBER: 31-648  
 REFERENCE/DOCKET NUMBER: 94-2  
 TELECOMMUNICATION INFORMATION:  
 TELEPHONE: 206-547-8080 ext. 322  
 TELEFAX: 206-632-4009

INFORMATION FOR SEQ ID NO: 17:  
 SEQUENCE CHARACTERISTICS:  
 LENGTH: 633 amino acids  
 TYPE: amino acid  
 TOPOLOGY: linear  
 MOLECULE TYPE: protein  
 US-08-250-859-17

RESULT 12  
 US-08-490-803-17  
 Sequence 17, Application US/08490803  
 ; Patent No. 5705349

GENERAL INFORMATION:  
 APPLICANT: Holly, Richard D.  
 APPLICANT: Burkhead, Steven K.  
 TITLE OF INVENTION: METHOD FOR PREPARING ORPHAN RECEPTOR LIGANDS  
 NUMBER OF SEQUENCES: 17  
 CORRESPONDENCE ADDRESS:  
 ADDRESSEE: ZymoGenetics, Inc.  
 STREET: 4225 Roosevelt Way, N.E.  
 CITY: Seattle  
 STATE: WA  
 COUNTRY: USA  
 ZIP: 98105  
 COMPUTER READABLE FORM:  
 MEDIUM TYPE: Floppy disk  
 COMPUTER: IBM PC compatible  
 OPERATING SYSTEM: PC-DOS/MS-DOS  
 SOFTWARE: Patentin Release #1.0, version #1.25

CURRENT APPLICATION DATA:  
 APPLICATION NUMBER: US/08/490,803  
 FILING DATE:  
 CLASSIFICATION: 435  
 ATTORNEY/AGENT INFORMATION:  
 NAME: Parker, Gary E  
 REGISTRATION NUMBER: 31-648  
 REFERENCE/DOCKET NUMBER: 94-2  
 TELECOMMUNICATION INFORMATION:  
 TELEPHONE: 206-547-8080 ext. 322  
 TELEFAX: 206-632-4009

INFORMATION FOR SEQ ID NO: 17:  
 SEQUENCE CHARACTERISTICS:  
 LENGTH: 633 amino acids  
 TYPE: amino acid  
 TOPOLOGY: linear  
 MOLECULE TYPE: protein  
 US-08-490-803-17

Query Match 12.9%; Score 166; DB 1; Length 633;  
 Best Local Similarity 23.8%; Pred. No. 1.1e-08;  
 Matches 62; Conservative 33; Mismatches 105; Indels 60; Gaps 8;

QY 4 SKAALLAARGPPEELLCTERLEDLVCFFEEASAGVGGPNFSFSFOLEDEPWKLCLRLHQAA 63  
 Db 4 SKAALLAARGPPEELLCTERLEDLVCFFEEASAGVGGPNFSFSFOLEDEPWKLCLRLHQAA 63



Search completed: August 28, 2002, 17:31:43  
Job time: 574 sec



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